Audio Resource Group
Improving Communication Through Sound Technology

VoiceAmp® Revel™

VA20WB Series
Manual and User Guide
ARG-OM034-B

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www.argaudio.com

SAFETY INFORMATION

CAUTION!

This product is designed to amplify sounds to a high volume level which could potentially cause hearing loss if used improperly and cause damage to your equipment.

To protect your hearing and the hearing of others:

1. Always set all volume levels at the minimum setting before powering on your device. Then adjust the volume to a comfortable level.
2. If feedback (a high pitch squealing sound) occurs:
   - immediately move the microphone away from the speaker
   - reduce the volume level on the speaker
   - move the microphone to the side and behind the speaker, never use it directly in front of the speaker
   - point the microphone away from the speaker
3. Do not allow children or unauthorized persons access or use of this product.

Risk of Electric Shock!

- THIS PRODUCT HAS BEEN DESIGNED AND MANUFACTURED TO ENSURE YOUR PERSONAL SAFETY SO PLEASE READ AND FOLLOW THE INSTALLATION AND OPERATIONS INFORMATION IN THIS MANUAL.
- TO REDUCE THE RISK OF ELECTRIC SHOCK AND FIRE HAZARDS, DO NOT MODIFY OR DIS-ASSEMBLE. SERVICING SHOULD BE PERFORMED BY QUALIFIED FACTORY PERSONNEL ONLY.
- IMPROPER USE CAN RESULT IN POSSIBLE ELECTRICAL SHOCK OR FIRE HAZARDS.
- DO NOT EXPOSE THIS UNIT TO RAIN OR MOISTURE.
- THIS PRODUCT SHOULD BE USED WITH THE SUPPLIED SWITCHING POWER SUPPLY AND 110-125V AC OUTLET ONLY.

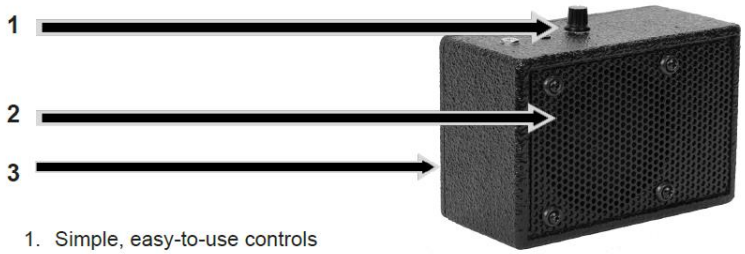
Product Recycling Instructions

DO NOT DISPOSE ELECTRONICS IN THE HOUSEHOLD TRASH!

Help ARG protect our environment by locating an electronics recycling center.

ARG-VA20WB VoiceAmp® Revel™:

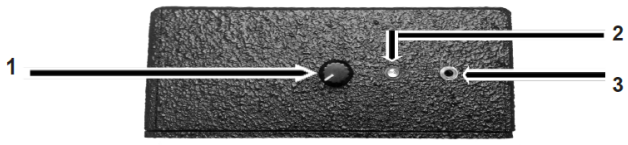
System Features



1. Simple, easy-to-use controls
2. 4" Waterproof Speaker
3. Durable Wood Cabinet: An engineered wood product (MDF) is used to construct each cabinet, which is made in the USA. Once assembled, a custom formulated polyurethane coating with rubber granules is applied to provide a tough, waterproof, and chemical-resistant textured finish. This finish also helps deaden outside sound and vibrations which produces a richer, warmer sound when compared to molded plastic housing.

4. Padded carrying case with detachable waistband and shoulder straps for versatile, hands-free, portable opration.
5. Lightweight compact case degin is comfortable to use for extended presentations without fatigue.

System Controls



1. **ON/OFF Audio Level Control:** Turn control knob clockwise to turn the receiver ON and to increase the audio input level. Turn the control knob counter clockwise to turn the receiver OFF and to decrease the audio input level.
2. **Operation/Battery Status LED Indicator**
3. **Microphone/Line-In Input Jack:** Mono 3.5mm jack for connecting headworn microphone
4. **Charging Jack:** Plug the ARG-PS006 battery charger into this port to charge battery.

side view

VA20WB VoiceAmp® REVEL™ Quick Use Guide

1. **Plug in the battery charger to charge the battery:** The VoiceAmp® REVEL™ will ONLY operate under battery power. FULLY charge the on-board lithium battery pack before using. To charge the battery, plug the included ARG-PS006 battery charger to the power charging jack located on the side of the speaker (the silver jack secured with a hex-nut.) Plug the other end into a 110-125V AC outlet. The LED indicator on the battery charger will illuminate RED while in the charge cycle; once the battery is fully charged the LED on the battery charger will turn GREEN to indicate the battery is fully charged. *Note: The VA20WB speaker can operate for 8+ hours on average when using a fully charged battery at a medium volume level. Battery life is directly related to the volume level; the louder the level, the higher the current consumption resulting in less operation time.* ***IMPORTANT: The battery can only be removed/serviced by a factory trained technician.***
2. **Disconnect the battery charger from the speaker:** The VA20WB portable amplifier will NOT function when the battery charger is plugged in. You MUST disconnect the battery charger for the speaker before it can be used.
3. **Prepare the VoiceAmp® REVEL™ for use:**
   a. Slide the speaker into the padded carrying case and fasten the Velcro strips to securely hold in place.
   b. Attach the waistband or shoulder straps onto the carrying case depending on use or personal preference. For the best possible coverage and to produce balanced audio for your entire audience, the speaker should face toward the crowd. To reduce the risk of feedback, position the speaker so it will not be directly in front of the headworn microphone. Avoid leaning or bending so the microphone is directly in front of the speaker.

4. **Connect the headworn microphone:** Plug the microphone into the MIC/Line Input Jack. Adjust the headpiece to position on your head with the flexible microphone a few inches from your mouth.
5. **Power-up and use the VoiceAmp® REVEL™:**
   a. Rotate the ON/OFF/Audio Level Control clockwise to turn unit on. You will hear a click and the power/battery status LED will illuminate GREEN. The VA20WB speaker can operate an average of 8 hours on a FULLY charged battery. The battery life is directly related to the loud ness of the speaker. The louder the volume, the higher the current consumption resulting in less battery life. When the battery level gets low, the LED power/battery status indicator will turn RED and begin to flash. From this point you will have approximately 1 hour of battery life before the system powers off.
   b. Continue to turn the knob clockwise to adjust the volume level to desired loudness. Set the volume at the lowest level that allows the audience to hear your voice clearly. Remember, the higher the volume level, the shorter the battery life. Also, the louder the speaker is set to, the more likely it is to produce feedback. Use your judgment when setting the output level to balance the loudness with trying to conserve battery life while reducing the risk of feedback.
6. **Power-down and store:** When finished using the VA20WB VoiceAmp® REVEL™, rotate the ON/OFF/Audio Level control knob counter-clockwise until it “clicks” to turn the unit off. Remember to connect the battery charger before storing in order for the unit to be fully charged for the next use.

VA20WB VoiceAmp® REVEL™ Troubleshooting Guide

A. Thoroughly read the operation manual carefully to verify proper setup and installation of your system before using.

B. If feedback (a high pitch squealing sound) occurs:
- Immediately move the microphone away from the speaker
- Reduce the master volume level on the speaker
- Reduce audio level of input device/s
- Reduce the microphone gain setting on the transmitter
- Move the microphone to the side and behind the speaker. NEVER use it directly in front of the speaker
- Point the microphone away from the speaker

C. No Sound and Green Power LED indicator is OFF:
- Turn the ON/OFF/Volume knob clockwise and the green LED should illuminate.
- Batteries are very low or dead. Connect the battery charger to recharge the batteries.

D. No Sound and the Green Power LED Light is ON:
- Turn up the volume control.
- Check to make sure the microphone cable is plugged in properly.

E. LED battery status indicator flashing RED:
- Battery needs to be charged.
- Connect battery charger.

F. Shortened Battery Life:
- Batteries are not fully charged and need to be completely charged.
- If battery life continues to diminish prematurely, the speaker needs to be returned to the factory for battery replacement.

G. Noisy and/or Distorted Sound:
- Volume level is too high.
- Batteries may be weak and need to be changed or charged.
- Microphone dirty or damaged.

ARG-VA20WB VoiceAmp® Revel™ Technical Specifications

Rated Power Output	20 Watts CLASS AB
Max SPL @ Rated Power	78dB @ 1 meter
Frequency Response	60 Hz – 18 kHz
Switch Power Supply/Battery Charger	INPUT 100Vac-240Vac, 50/60Hz 1.5A-0.9A OUTPUT: 16V – 3.36A
Built-In Battery	14.8V 3000mAh Polymer Lithium Battery Pack
Dimensions	6-1/2” (W) x 4-3/4” (H) x 3 (D)
Weight	3 lbs.

Inputs:

Mic-In/Line-IN: Mono 3.5mm jack accepts wired low impedance dynamic microphones. Jack also accepts audio devices that have a line-level output including MP3 players, IPODS and CD players.

NOTE: Specifications subject to change without notice.

Warranty Statement

Audio Resource Group, Inc. (ARG) develops, designs and manufactures our own products in order to provide high quality products which provide many years of trouble-free service. The following Warranty Statement defines the warranty periods for each product line and model of equipment manufactured by Audio Resource Group, Inc.

VoiceAmp® Systems

ARG warrants the following VoiceAmp® portable speakers (VA20WB, VA20M, VA30S, VA30S-900) to be free from defects in workmanship and material under normal use and conditions for five years from date of purchase. Batteries for these listed products are warranted for two years from date of purchase.

ARG warrants the following transmitters (TX900BP, TX900HH) to be free from defects in workmanship and material under normal use and conditions for five years from date of purchase.

ARG warrants the following charging systems and batteries (CHRG05, BCR14.8V3LI) to be free from defects in workmanship and material under normal use and conditions for two years from date of purchase.

All other parts and accessories are warranted for 90 days from date of purchase.

The Warranty is only available to the original end purchaser of the product and cannot be transferred.

Warranty is void if damage occurred because of deliberate or accidental physical damage, neglect, misuse or if the product has been repaired or modified by anyone other than a factory authorized service technician. Warranty does not include normal wear and tear on the product or any other physical damage unless the damage was the result of a manufacturing defect. ARG is not liable for consequential damages due to any failure of equipment to perform as intended.

ARG shall bear no responsibility or obligation with respect to the manner of use of any equipment sold by it. ARG specifically disclaims and negates any warranty of merchantability or fitness of use of such equipment including, without limitation, any warranty that the use of such equipment for any purpose will comply with applicable laws and regulations. The terms of the warranty are governed by the laws of the state of North Dakota. This warranty, prices, and the specifications of products are subject to change without notice.

Repairs and Returns

If you are experiencing difficulty with your system please review the Troubleshooting section of our manuals and user guides for tips and techniques to correct your issues. If you continue to experience problems with your equipment, please call Audio Resource Group, Inc. (ARG) toll-free Customer Service Assistance number at (888) 468-4552.

If it is necessary to return your system for service, you must first be issued a Return Authorization Number (RMA) by our Customer Service Technician prior to sending the system to ARG. All returns must be prepaid by the sender (no freight collect shipments will be accepted). **NO RETURNS WILL BE ACCEPTED WITHOUT A COMPANY ISSUED RMA NUMBER AND PREPAID FREIGHT.**

Out-of-Warranty Repairs:

We are no longer able to repair any system that is out of warranty. No RMA numbers will be issued on any systems that are out of warranty.

Exception: The following products (TX900M, RX900M, VA20WB, VA20M, VA30S, VA30S-900) under warranty with a rechargeable lithium battery out of warranty may be issued an RMA number to replace the battery at our current replacement pricing. Please contact your sales representative or customer service technician for current pricing.

Warranty Repairs:

The ARG warranty period begins from date of purchase. Warranty is only available to the original end purchaser of the product and cannot be transferred. We will, at our option, repair or replace any part or product found to be defective in workmanship or material under normal use and condition. Warranty is void if damage occurred because of deliberate or accidental physical damage, neglect, misuse or if the product has been repaired or modified by anyone other than a factory authorized service technician. Warranty does not include normal wear and tear on the product or any other physical damage unless the damage was the result of a manufacturing defect.

Returns for Credit:

Items returned for credit, in “like new” condition (unopened, or original packaging intact), will be issued a full credit (minus applicable shipping charges). Items returned for credit after 30 days are subject to a 20% restocking fee. We are unable to issue credit for any items after 60 days from the date of purchase. Additional fees or refusal of credit may occur due to missing or damaged items.

Ship To:

Audio Resource Group, Inc.
405 Main Ave W Unit 4G
West Fargo, ND 58078
Phone: (888) 468-4552 Fax: (888) 373-4819
repairs@argaudio.com

ARG Repairs and Return policies, programs, and pricing are subject to change without notice.